

State	Optional Calling Plan	Tariff Location	Plan Description
Georgia	Georgia Community Calling (GCC)	A3	Provides a 55 mile expanded local calling area on a 7 and 10 digit basis for intraNPA calls and on a 1+10 digit basis for interNPA calls. Calls terminating within the basic local calling area are charged \$.12 per message after a 30 message call allowance for residence subscribers. Usage charges are applicable to calls within the expanded local calling area.
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas on a 7 digit for intraNPA calls and on a 10 and 1+10 digit basis for interNPA calls..
	Optional Extended Area Service (OEAS)	A3	Alternative toll option for calls terminating within the LATA/state. 4 options (Economy, Discount, Deluxe and Incoming discount) are point-to-point with a limited number of routes. The Deluxe option is flat rated and the other options are usage sensitive. The 5th option is LEAP. For \$1 a month, residence customers receive discounted toll rates for calls out to 40 miles. OEAS may be provided on a 7, 10 or 1+10 digit basis.
	County Wide Calling	A3	Legislative mandate requires toll free calling within the boundaries of the county. 1+10 digit dialing is required.
	Saver Service Discount Plan	A18	For \$4 per mo, residence customer receives a 40% disc. on intraLATA/ state MTS usage charges. 1+10 digit dialing is required.
Kentucky	Area Calling Service (ACS)	A3	ACS is an optional offering that provides local calling to specified points outside the basic calling area. Usage charges are charged on all calls. There are no caps or allowances. Three options are available: 1) basic, 2) with free local usage detail, and 3) a premium offering that provides unlimited calling within the basic and extended areas. All intraNPA extended calls are dialed on a 7 digit basis.
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas on a 1+10 digit basis.
	Toll OCPs	A18	There are numerous point-to-point toll OCPs available either as 1-way or 2-way plans. Most have a minimum one hour periods and additional time calculated in 1/10 hour increments.
Louisiana	LOS-B	A3	Provides 40 mile expanded local calling on a 7 digit dialed and usage sensitive basis.
	LOS	A3	Provides 40 mile expanded local calling on a 7 digit dialed basis. Calling within the basic local calling area is flat rated and calling to the expanded area is usage sensitive.

State	Optional Calling Plan	Tariff Location	Plan Description
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas on a 7 digit dialed basis.
	ELCA	A3	Provides 40 mile expanded local calling on a usage sensitive basis for non-LOS/LOS-B/Area Plus customers on a 1+10 digit basis. Subscribers receive automatic 15% volume discount for monthly billing >\$15.00.
	Saver Service	A20	For a fixed monthly rate, the residence customer may set up an initial block of time for toll calling. Both 1/2 hour and 2 hour blocks of time are available. 1+10 digit dialing is required.
	Shreveport Metro Calling Plan	A3	Provides unlimited local calling a 7 digit dialed basis for calling from Shreveport and Blanchard to Oil City and Mooringsport to Shreveport and Blanchard.
	Expanded Local Area Calling	A3	Provides expanded local calling between Labadieville, Napoleonville and Pierre Part on a 7 digit dialed basis. Calling in the home wire center is unlimited and all other usage is capped at \$1.50.
Mississippi	ACP/EACP	A3	Provides 55 mile expanded local calling on a 7 digit dialed and usage sensitive basis.
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 55 mile expanded local calling areas on a 7 digit dialed basis.
	Saver Service	A20	For a fixed monthly rate, the residence customer may set up an initial block of time for toll calling. Both 1/2 hour and 2 hour blocks of time are available. Student Saver Service also has a 1 hour block of time available. 1+10 digit dialing is required.
	Measured Rate Service - Standard	A3	Provides local calling in the basic local calling area on a usage sensitive basis. Access line is rated at 67% of 1FR and includes \$6.50 usage allowance.
	Measured Rate Service - Low Use	A3	Provides local calling in the basic local calling area on a usage sensitive basis. Access line is rated at 55% of 1FR and includes \$3.00 usage allowance.
North Carolina	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas. The dialing is 7 digit (HNPA) and 10 digit (FNPA), with some exceptions. Area Plus has one statewide rate.
	Frequent Caller	A3	Provides unlimited calling within the basic and 40 mile expanded local calling areas. The dialing is 7 digits (HNPA) and 10 digits (FNPA), with some exceptions. Frequent Caller rates vary, depending on the number of access lines in the basic and expanded local calling area.

State	Optional Calling Plan	Tariff Location	Plan Description
	Saver Service	A18	For \$.20 per month, residence customers receives 20% discount on all intraLATA/state MTS usage charges. For \$1 per month the customer receives 40% discount on intraLATA/state MTS usage charges. 1+10 digit dialing is required.
South Carolina	Area Plus Service	A3	Provides local calling to all points within the LATA. Usage charges are charged on all calls; caps and/or discounts may apply depending on the option. A Premium option is available that provides unlimited calling within the LATA. All intraNPA extended calls are dialed on a 7 digit basis.
	Saver Service	A18	Depending on the option selected, a customer may use up to an initial block of time (1/2 hour) for a fixed monthly rate. Usage over the initial block of time in a given billing period will be billed on a fixed per minute usage rate. Customers may also pay monthly recurring rates and receive either 20% or 50% discount on intraLATA toll calls.
Tennessee	RegionServ	A3	Provides 40 mile expanded local calling on a usage sensitive basis. Dialing is on a 7 digit (HNPA) and 10 digit (FNPA) dialed basis. There is no usage allowance; however, the usage in Band A is capped. A discount option is available.
	Morristown Area Calling Service	A3	Provides Morristown customers 40 mile expanded local calling on a usage sensitive basis. Customers may choose an economy option with an allowance or a 20% discount package with an allowance. Both options are capped in Bands A, B, C and D.
	Area Plus Service	A3	Provides unlimited flat rated calling within the basic and 40 mile expanded local calling areas The dialing is 7 digit (HNPA) and 10 digit (FNPA), with possible exceptions.
	Memphis and Collierville Extended Local Calling	A3	Provides local calling on a usage sensitive basis from Memphis and Collierville to Hernando, Byhalia, and Olive Branch for a fixed monthly rate.
	One-Way Optional Extended Point-to-Point Calling	A20	Provides for one-way calling on 100+ point-to-point routes with a rate which is based on 1st hour and each additional minute.
	Two-Way Measured Extended Community Calling	A20	Provides for two-way calling on 100+ point-to-point routes with a rate which is based on 1st hour and each additional minute.
	Circle Calling	A20	For a fixed monthly charge, customers receive a discount off MTS rates. Both One-Way and Two-Way Circle calling is available.
	Tel-A-Thrift	A20	Offers state-wide off-peak hours calling with a rate based on 1st 1/2 hour and each additional minute.

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State	Optional Calling Plan	Tariff Location	Plan Description
	Measured Rate	A3	Provides measured local calling in the basic local calling area. There is a usage allowance, and there is no cap.
	Message Rate	A3	Provides message rate local calling in the basic local calling area. There is a usage allowance and there is no cap. Usage is priced on a per call basis at \$.10 per call.

TAB 62

**Remote Call Forwarding
CLEC Information Package**

(This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.)

Remote Call Forwarding CLEC Informational Package

1. Service Description

A. Basic Service Features

Remote Call Forwarding (RCF) is an exchange service that allows incoming calls to be forwarded to a telephone number at another location.

The RCF number has one access path which allows only one call, at a time to be forwarded. Additional access paths can be ordered to allow additional calls to be forwarded, provided the distant location is equipped to receive them. RCF requires neither a physical telephone set nor input by customer to get calls forwarded.

B. Basic Service Capabilities

Remote Call Forwarding service forwards all incoming calls to an alternate telephone number and location.

2. Tariff References/Price References

A. Tariff References

General Subscribers Service Tariff (Section A.13)

B. Pricing Structure And Description

- All Additional or Foreign Listings at existing tariff rates
- All long distance charges apply when RCF is a long distance number
- One month minimum charge
- When additional access paths are established with the initial installation of RCF service, the Installation charge for additional access paths must be waived.

3. Installation Intervals

For Remote Call Forwarding	YES	NO
Normal Installation Intervals	X	
Project Coordination Required		X

4. Service Inquiry & Ordering Guidelines

Orders for this service/product should be submitted to the LCSC via fax or Electronic Data Interchange (EDI) process. Below are the USOCs associated with this Service.

USOC's

Type Of Service	Description	Class Of Service	PIC
Measured Local (except GA)	Calls Forward within local calling area and are usage based	RCFVF	N
Measured Local (GA only)	Calls forward within local calling area	RD5VF	N
Additional Access Path	Forwards additional call to the CFN	RCA	NA
Intrastate/InterLATA	Calls forward within state to different LATA	RCFVQ	Y
Interstate	Calls forward to another state	RCFVE	Y
Interstate/IntraLATA	Calls forward to another state in same LATA	RCFVU	N
Interstate/IntraLATA/Intraexchange	Calls forward to another state in same LATA and same local exchange	RCFVG	N
Area Calling Service (except GA & FL)	Calls forward within same exchanges as Area Calling Service Plans and are usage based.	RCFVD	N
Local Optional Service Option B (LOS B LA only)	Calls forward to an exchange within the LOS Band B service area	RCFLB	N
Canada	Calls forward to Canada via Toll Call (not to 800 or 700 numbers)	RCFVN	Y
Intrastate/IntraLATA	Calls forward within State in same LATA	RCFVS	N
800 Intrastate/IntraLATA	Calls forward to 800 number within state in same LATA	RCFWS	N
800 Interstate	Calls forward to 800 number in another State	RCFWE	N
800 Interstate/IntraLATA	Calls forward to 800 number in another state in same LATA	RCFWU	N
800 Intrastate/InterLATA	Calls forward to 800 number within state in another LATA	RCFWQ	N
800 Interstate/IntraLATA/Intraexchange (FL,NC,SC only)	Calls forward to 800 number in another state within same LATA and same exchange	RCFWG	N
700 Intrastate/IntraLATA	Calls forward to 700 number within state	RCF7S	N

Type Of Service	Description	Class Of Service	P'
	in same LATA		
700 Interstate	Calls forward to 700 number in another state	RCF7E	Y
700 Interstate/IntraLATA	Calls forward to 700 number in another state in same LATA	RCF7U	N
700 Intrastate/InterLATA	Calls forward to 700 number within state in different LATA	RCF7Q	Y
700 Interstate/intraLATA/Intraexchange	Calls forward to 700 number in another state in same LATA and same exchange	RCF7G	N

Fourth Character

V - Business Service, R - Residence Service, W - 800 Service, L - Used with Local Optional Service Option B (LOSB) in Louisiana, 7 - 700 Service

Fifth Character

E - INTERSTATE forwards across state and LATA
U - INTERSTATE/INTRALATA forwards across state boundary but within same LATA
Q - INTRASTATE/INTERLATA forwards within state boundary to different LATA
S - INTRASTATE/INTRALATA forwards within same state and LATA
N - CANADA forwards to Canada
F - LOCAL - MEASURED forwards within same or different local exchange on measured basis
D - LOCAL -AREA CALLING SERVICE forwards within local calling area and billed at applicable Area Calling service rates (NOT OFFERED IN ALL STATES consult A3 Tariff for your state to verify if available)
G - INTERSTATE/INTRALATA/INTRAEXCHANGE forwards within same exchange and LATA between states
B - Used with Local Optional Service Option B (LOSB) in Louisiana

5. Customer Education (CLEC & End User)

None required for this service.

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**RingMaster® Services
INFORMATION PACKAGE**

(This information is provided solely as a convenient reference for BellSouth's customers. While BellSouth believes information contained herein to be consistent with applicable tariffs, the tariffs shall prevail in any instance in which an inconsistency may exist.)

RingMaster® Services INFORMATION PACKAGE

1. Service Description

A. Basic Service Description - RingMaster® Services

- B. Basic Service Capabilities** - RingMaster I and II services are optional network features, which are offered on a subscription basis. RingMaster service allows additional telephone numbers working on one line to provide different ringing patterns, allowing the customer to screen incoming calls.

C. Feature Interaction

RingMaster I - enables customers to have two different directory numbers to share the same line/same address, with each number having a distinctive ring. By having RingMaster service, a customer is able to know who the call is for or who is calling by the type of ring. If a customer wants RingMaster service to provide an additional number and distinctive ring for use with a FAX machine or modem, a customer must purchase a piece of customer premise equipment (CPE) known as a Ring Decipher.

RingMaster II - the same as above with two additional telephone numbers.

2. Tariff References

Tariff information relating to TouchStar services can be found in the General Subscriber Services Tariff (GSST), section A13.

3. Installation Intervals

The intervals for service activation in the wholesale arena will duplicate the procedures and intervals used in the retail environment.

Normal Installation Intervals Yes X No

Project Coordination Required Yes No X

4. Service Inquiry & Ordering Guidelines

Following are the forms required to be submitted to the LCSC for order issuance:

- Local Service Request Form
- End User Information Form
- Resale Service Form

Copies of the forms with line-by-line instructions are located in the Resale Ordering Guide.

TAB 64

SMARTPathSM Service CLEC Information Package

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Service Description

SMARTPath service is a premium, shared high capacity fiber-based digital service, capable of providing DS1 transport with high performance and reliability parameters. SMARTPath service is offered in high density areas within key wire centers of selected metropolitan areas. SMARTPath service provides a seamless end-to-end service at high levels of redundancy/diversity to prevent a single service impacting event from interrupting customer service.

SMARTPath service is distinguished by a high degree of reliability and survivability. SMARTPath service provides a 1.544 Mbps transport link over a shared high capacity network service. The inherent attributes of the service will meet the demands of high performance and service continuity for customers located in high risk areas with high concentrations of demand. SMARTPath service is guaranteed against catastrophic failure, in that the monthly recurring charge is automatically refunded if a service interruption lasts over 60 seconds. SMARTPath service areas and available service locations will be designated where the infrastructure supports the attributes of the service to provide specified levels of performance and reliability.

SMARTPath service areas are identified in the National Exchange Carrier Tariff (NECA) FCC No. 4.

The infrastructure which supports SMARTPath service is fiber based and utilizes a self-healing architecture which provides both link and nodal protection in order to limit single points of failure. SMARTPath service is a digital transmission service that incorporates SONET technology to transmit Private Line intraLATA signals.

SMARTPath services use an array of architectures to meet the requirements of the service. All components of the service are protected and may include based upon a customer's service architecture:

- Local Loop
- Interoffice Facility
- Facility Electronics
- Serving Wire Center (Central Office)
- Foreign Wire Center (Central Office)

Local Loop Facility Protection - This includes protection from failure due to a single event (e.g., a cable cut). This entails provisioning the protection path on a different route from the primary. Protection exists from the service access point

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outside the serving central office to the first service access point outside the customer's premises.

Interoffice Facility Protection - As with local loop protection, this is protection from a single event failure. It also implies provisioning separate paths for the working and protection channels in the interoffice network and implies separate sheaths and outside plant structures from the first access point of the serving central office to the first access point in the destination central office.

Facility Electronic Protection - The electronics used with the service should have automatic switching capabilities to switch to redundant backup equipment in the event of equipment or facility failure.

Serving Wire Center Protection - With the use of the alternate Serving Wire Center arrangement, the DS1 services which extend beyond the Serving Wire Center will survive the loss of the Serving Wire Center.

Foreign Wire Center Protection - A Foreign Wire Center is any wire center which this service will transmit to reach its destination beyond the serving wire center. This excludes the destination point of the service.

In addition to reliability and survivability, the attributes of SMARTPath service provide other major benefits to the customer.

Higher Levels of Performance

- meet or exceed 99.99% circuit availability on an annual basis
- meet or exceed 99.95% circuit availability on a monthly basis
- meet or exceed .009% severely errored seconds on a monthly basis.

Link Connectable

- SMARTPath service can be provided in conjunction with service arrangements for SMARTRing® service, LightGate® service, FlexServ® service, Expanded Interconnection Service® (EIS), and MultiServ® service.

Reduced Cost

- Within a SMARTPath service Area, SMARTPath service arrangements are flat rated which results in lower cost for many configurations.

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A Strong Service Guarantee

- **Service Installation** – SMARTPath service will be installed on the negotiated due date or the nonrecurring installation charges will be refunded.
- **Service Continuity** – In the event of a primary facility failure, SMARTPath service is guaranteed to switch to an alternate facility path in 60 seconds or less. Failure to do so will result in one hundred percent 100% of the monthly recurring charges automatically being refunded.
- **Continuous Performance Monitoring** will be provided with SMARTPath Service arrangements to ensure all levels of performance.

Note: The credit will apply no more than once per calendar month. The combined total of credit allowances during a month for failure to meet performance guarantees shall not exceed the monthly rate for the service. In addition to these guarantees, there are performance objectives related to circuit availability and error-control.

The characteristics of SMARTPath service can be summarized as:

- DS1 service
- Fiber-based facilities
- Redundancy/Diversity
- Shared Service
- Service Guarantee
- Self-healing
- Point-to-Point
- Continuous performance monitoring

SMARTPath service is configured based on two basic rate structures:

- **SMARTPath Area Connection:** Provides for the originating connection at the designated customer premises where the customer gains access to the SMARTPath service network, and transport to a designated junction in the same SMARTPath service area.
- **SMARTPath Area Junction:** Provides for the terminating connection between the SMARTPath service network and:

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- Another customer premises in the same SMARTPath service area, or,
- A serving wire center in the same SMARTPath service serving area for connecting to another service or an interconnecting collocator.

Architectural Alternative #1

The architectural alternative described here is targeted at provisioning stand-alone local channel demand. A stand-alone local channel demand connects the customer's premises to its normal serving wire center. A significant portion of the special access DS1s falls into the stand-alone local channel category to interconnect with other BellSouth provided services such as LightGate service, SMARTRing service, or FlexServ service.

This alternative utilizes a traditional point-to-point fiber system with fiber optic terminals at the customer location and the serving central office. The fiber facilities for the working path of this system are routed physically diverse from the protection path. This facility arrangement is an embedded architecture. Most of the embedded fiber optic terminals are asynchronous (generally 90MB or 180MB). Going forward all new fiber optic terminals should be SONET, operating predominantly at the OC-3 and OC-12 rates for this application. The existing asynchronous fiber optic terminals will require the addition of a stand-alone performance monitoring device to ensure the performance objectives are being met. On the SONET based systems, performance monitoring will be furnished using the DS1 enhanced PM card. A DS1 interface will exist at both the customer's premises and the central office location.

From a SMARTPath service perspective, the endpoints of the demand for a stand-alone local channel are the customer's premises and its serving wire center. Therefore, link protection alone is all that is required to support this type of demand. When the endpoint of a DS1 demand extends beyond its serving wire center, this architecture fails to meet the requirement of limiting a single point of failure.

Each existing facility serving arrangement must be verified to ensure that it meets the local loop facility protection criteria, that is, separate cable and physically separate outside plant structures.

Architectural Alternative #2

This serving arrangement is a basic SONET ring consisting of several nodes and interconnecting with other facilities at a single point. Nodes on this ring include

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the serving central office and several customer locations within the same wire center. These nodes are connected with physically diverse routed fiber creating a closed loop. These rings will be OC-3 unidirectional path switched SONET technology, with an OC-3 add/drop multiplexer (ADM), configured in a ring mode, deployed at each node.

Like alternative #1, this architecture is targeted at DS1s that originate at a customer's premises and terminate at its serving central office. Performance monitoring will be furnished using the enhanced DS1 PM card on SONET based systems. This enhanced DS1 PM card should be deployed at both endpoints of the DS1.

Architectural Alternative #3

Demand that goes beyond its serving wire center can be provisioned using alternative #3. The endpoints of special access DS1 demand are generally a customer's premises and an IC location.

Generally, this architecture consists of two rings which are interconnected at central office nodes, the IC access (and/or interoffice transport) ring and the customer access ring. The IC access ring consists of one or more IC nodes and two interconnecting central office nodes. Physically diverse fiber connects each IC node to its serving wire center and an alternate wire center. These rings must be interconnected at two central office nodes to ensue nodal survivability.

Additional central office nodes may also exist on the IC access ring to provide connectivity to other customer access rings. If the metropolitan area is large with demand across multiple SMARTPath service serving areas, a separate interoffice facility (IOF) ring may be deployed to provide connections between serving areas, to terminate DS1s at central office nodes beyond its serving wire center, and to provide connectivity between customer access rings.

The customer access ring will connect several customer nodes and the two interconnecting central office nodes (its serving wire center and an alternate central office) with diverse routed fiber. The customer nodes on a ring may be located in different wire centers. This ring will usually be an OC-3 unidirectional path switched ring.

At the IC nodes and the customer nodes, only DS1 interfaces are provided at this time.

At the two interconnection nodes, several interconnection alternatives exist. Interconnections between two OC-3 rings may be direct STS-1 connected or use a SONET WDCS to preserve STS-1 ports on the OC-3 ADM.

SONET WDCSs will not be deployed at all interconnection nodes.

Software Package Requirements

With SONET transport systems, specific software is required as part of the network element to support certain ring functions. Additionally, specific software is required to support SONET ring terminals features such as VT time slot assignment, performance monitoring capabilities, and dual ring inter-working schemes.

Pricing Structure

SMARTPath service uses a new pricing structure which does not utilize traditional "Local Channel/Interoffice Channel/Mileage" pricing elements. Instead, SMARTPath service rates are based on three primary flat rate elements:

- SMARTPath Area Connection
- SMARTPath Area Junction
- SMARTPath Area Junction (Interconnection)

SMARTPath service pricing can be provided in the following pricing arrangements:

- Month-to-Month
- Under to Area Commitment Plan (ACP), or,
- Under the Channel Services Payment Plan (CSPP)

For locations requesting SMARTPath service and facilities are not available, special construction charges will apply.

Special construction charges do not apply for qualified locations within SMARTPath serving areas.

A service inquiry will be required for all requests.

Service intervals will be determined via the inquiry process and may be extended depending on the status of network deployment.

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Channel Service Unit (CSU) Requirement

SMARTPath service is a DS1 service, and required Extended Superframe (ESF) framing. An ESF-compatible CSU will be required at the customer's premises. Either AMI or B8ZS line coding options are available.

Tariff References/Price List References

SMARTPath service is available for intraLATA service in the Florida, Georgia and Tennessee BellSouth service areas. The SMARTPath service tariff is located in section B7 of the state-specific Private Line Service Tariff.

Installation Intervals

Normal Installation Intervals	NO
Project Coordination Required	YES

Service Inquiry and Ordering Guidelines

To order SMARTPath service the CLEC should submit the following forms to the CLEC Account Team:

Local Service Request (LSR)
End User Information Form

Both forms are available in the Resale Ordering Guide.

SMARTPath service requests will always require the use of a service inquiry.

For all initial or subsequent order activity on SMARTPath service, contact your BellSouth CLEC Account Team.

SMARTPATHSM SERVICE

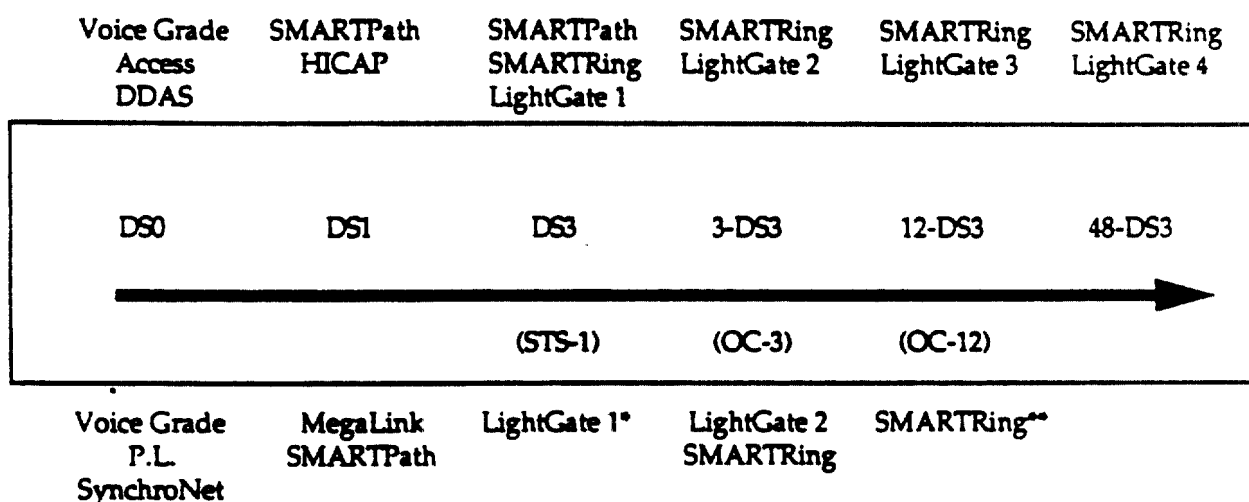
General Description

SMARTPathSM service is a SONET-based digital DS1 and DS3 high capacity service which is offered within key metropolitan areas.

SMARTPath service offers a high degree of reliability and survivability with performance objectives equivalent to or better than that of other providers. The inherent attributes of the service, such as shared fiber rings; and a 60-second service guarantee support BellSouth's commitment of providing a competitive, high quality DS1 and DS3 service for our customers' critical applications.

SMARTPath service is available within specified SMARTPath service areas which BellSouth determines can be incorporated into the SMARTPath service network. This targeted availability enables BellSouth to provide the specified level of performance and reliability. For locations where a customer requests SMARTPath service and facilities are not available, special construction charges will apply.

In order to assist in understanding BellSouth's Dedicated Transport Services as they exist today, the following should help. The diagram below consists of BellSouth's current services by name. Above the arrow are the Access Products/Services as filed in the FCC Tariffs and in the State Access Tariffs; while below the arrow are BellSouth's services which are sold on an intraLATA basis out of the state Private Line Tariffs. In the box are reference points as to the technology related to the Dedicated Transport Services (i.e., DS0 = both SynchroNet service and DDAS).



* Not available in North Carolina or South Carolina

** SMARTRing service DS3 Interstate only. Tariff effective in Georgia 3/3/95, N.C. and S.C. to be filed 3 with the rest of the states to follow as quickly as possible.

Service Description

SMARTPath service uses an array of architectures to meet the high reliability requirements of the service. Characteristics of the architecture for this service include fiber-based, self-healing with facility link and nodal protection, bi-directional rings and continuous performance monitoring.

All components of the service are protected:

- Local Loop
- Interoffice Facility
- Facility Electronics
- Serving Central Office
- Foreign Central office

The above-mentioned service continuity attributes are defined as follows:

- **Local Loop Facility Protection** - The local loop facilities will be protected from failure due to a single event (e.g., cable cut). This implies provisioning the protection path on a different route from the primary. This protection will exist from the first service access point outside the serving central office to the first service access point outside the customer's premises. The protection path should be provided in a separate sheath and outside plant structure from the primary path.
- **Interoffice Facility Protection** - The interoffice facilities will be protected from failure due to a single event. As with local loop facility protection, this implies provisioning separate paths for the working and protection channels in the interoffice network and implies separate sheaths and outside plan structures from the first access point of the serving central office to the first access point in the destination central office.
- **Facility Electronic Protection** - The electronics used with this service should have automatic switching capabilities to switch to redundant backup equipment in the event of equipment or facility failure. The inherent equipment protection provided within the fiber multiplexer is sufficient to meet this requirement, this is, 1X1 protection on the high speed electronics.
- **Service Wire Center Protection** - For the DS1 services which extend beyond the serving wire center, those services will survive the loss of the serving wire center.
- **Foreign Wire Center Protection** - A foreign wire center is any wire center which this service will transmit to reach its destination beyond the serving wire center. SMARTPath service will survive any failure of a foreign wire center. This excludes the destination point of the service.

SMARTPath service can be provided in conjunction with service arrangements for SMARTRing service, LightGate service, FlexServ service, Expanded Interconnection Service (EIS) and ESSX service.

Tariff Information

The SMARTPath service product has only recently become available in the intrastate Private Line Tariffs: TN - 11/18/94, GA. - 11/28/94, FL. - 2/1/95, LA. - 2/95. It is effective in the NECA tariffs now. SMARTPath service is found in the FCC #1 Tariff, Section 7.1.2. Service rate elements in the tariff are:

- **SMARTPath service Area Connection** - provides for the origination connection at the designated premises where the customer gains access to SMARTPath service and transport to a designated junction on the network. USOC = TMJ1A*
 - * Per Customer-Designated Premises - TMJ1B
 - Per Serving Wire Center Connection - TMJ1C
- **SMARTPath service Area Junction** - provides for the connection between the SMARTPath service network and:

1. Another customer-designated premises in the same SMARTPath service area;
2. A serving wire center in the same SMARTPath service area for connection to:
 - DS1 basic channelization, FlexServ service, LightGate service, SMARTRing service or Expanded interconnection service; or
 - A SMARTPath service Area Junction of another SMARTPath service area.

Sales Strategy

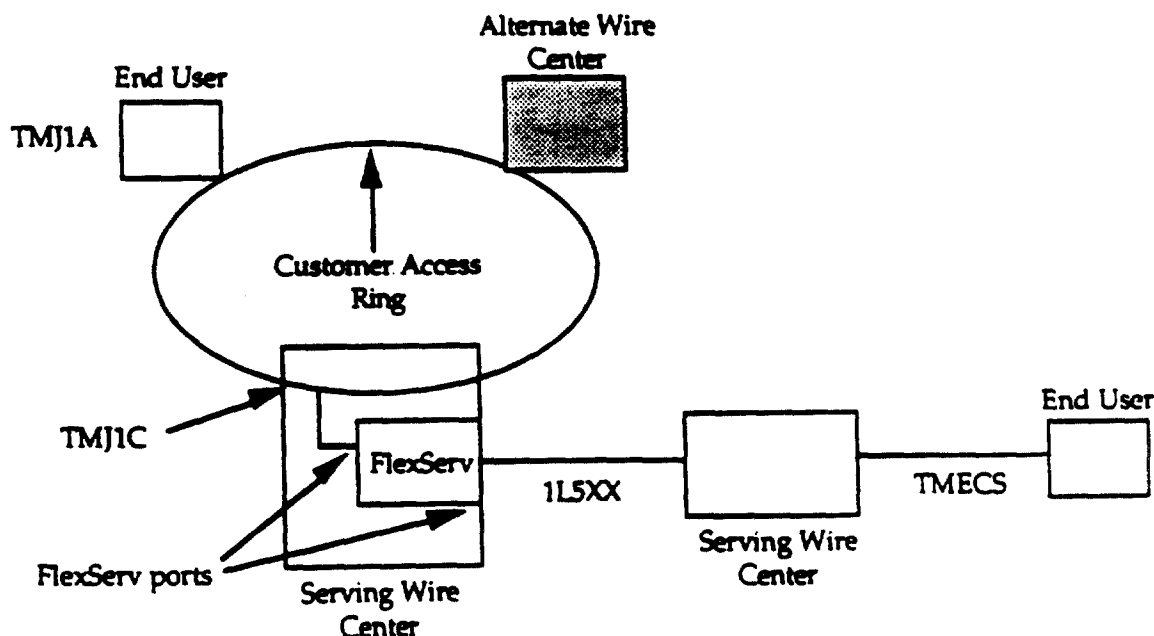
SMARTPath Service is designed as a competitive offering to alleviate the threat of low-priced CAP fiber offerings providing high quality digital private line applications. It is to be sold to only a very select list of customers, available locally. An updated wire center list is maintained, locally, by network planners.

Applications

As an end user service, SMARTPath service is an excellent fundamental data transport element for disaster recovery, route diversity, and for end user access to POP applications. The infrastructure which supports this service is fiber based and utilizes a self-healing architecture which provides both link and nodal protection in order to limit single points of failure. Therefore, it is an excellent companion service to FlexServ service. Its high degree of reliability and survivability with high levels of redundancy and diversity offer protection for any applications a customer considers critical to the business. Additionally, Carriers are interested in this type of service because of its high performance/reliability factors.

Application #1

It makes sense to add protection to the local loop facility by using SMARTPath service. Even if the DS1 is reconfigurable at the central office, the local loop piece can go down. The SMARTPath service architecture provides additional protection for the DS1.



Connecting SMARTPath service via FlexServ service to a Non-SMARTPath ESF DS1